

CLAIMS

What is claimed is:

1. A specification for personalizable content items for web pages, called Portal Objects, which represent specialized views of business applications.
- 5 2. An extension of the ACS Presentation Layer to provide a dynamic wireframe for rendering personalizable web pages, the dynamic wireframe comprising a two dimensional arrangement of the Portal Objects of Claim 1 into columns of fixed width, each column containing any number of individual Portal Objects stacked vertically.
 - 10 a. The ability to embed dynamic wireframe references into static wireframes of the ACS Presentation Layer, thereby enabling personalization of the resulting web pages.
3. A method for versioning of the dynamic wireframes of Claim 2, whereby:
 - a. Administrators can create multiple default versions of the layout of Portal Objects in a dynamic wireframe, with each version targeted to a different group of users.
 - 15 b. End users maintain one or more personal versions of the layout of Portal Objects in a dynamic wireframe, those personal versions being derived from default versions created by an administrator.
 - c. Selective end user personalization of the layout of dynamic wireframes is enabled, wherein each column of a dynamic wireframe is comprised of a top, a middle, and a bottom section, inside which the Portal Objects of the middle section are determined by an individual user's choices, and the Portal Objects comprising the top and bottom sections are
20 chosen, locked into position, and managed by administrative users.
4. A method for rendering a dynamic wireframe of Claim 2, the method comprising:
 - 25 a. Selection of the appropriate version of a dynamic wireframe layout for the current user based upon the evaluation of rules.

b. Automatic adjustment of the Portal Objects constituting the user's dynamic wireframe layout based on any changes in the privileges of the user since his or her last session.

5 c. Replacement of Portal Object references by HTML snippets obtained by execution of the top-level interaction composite step and port associated with each Portal Object.

5. A method for providing a multi-dimensional hierarchical system of Portal Object properties whereby the appropriate set of properties for a specific Portal Object is based upon the evaluation of rules.

10 6. The dynamic wireframe of Claim 1, wherein the potential styles of the rendered web page are arranged as a list of candidates with associated criteria, and when those criteria are met the candidate is selected and the associated style is used as the default for the web page, on top of which any user style preferences are overlaid.

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